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What is claimed is:

1. An optical transmission line comprising:

an optical transmission fiber having a chromatic dispersion of +4 to +10 ps·nm⁻¹·km⁻¹and a dispersion slope of 0 to +0.04 ps·nm⁻²·km⁻¹ at the 1550 nm wavelength and installed in a relay section; and

a module made of a dispersion compensating optical fiber having a chromatic dispersion of '40 ps 'nm'1 'km'1 or less and a dispersion slope of '0.10 ps 'nm'2 'km'1 or less at the 1550 nm wavelength.

- 2. An optical transmission line according to Claim 1, wherein said optical transmission fiber has a dispersion slope of +0.01 to +0.03 ps · nm -2 · km -1.
- 3. An optical transmission line according to Claim 1, wherein said optical transmission fiber has an effective area of $45\,\mu\,\mathrm{m}^2$ or more at the 1550 nm wavelength.
- 4. An optical transmission line according to Claim 1, wherein said dispersion compensating optical fiber has a chromatic dispersion of -80 ps·nm⁻¹·km⁻¹ or less and a dispersion slope of -0.20 ps·nm⁻²·km⁻¹ or less.

5. An optical transmission line according to Claim 4, wherein said dispersion compensating optical fiber has a chromatic dispersion of '100 ps' nm'' km' or less.

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6. An optical transmission system comprising:

an optical transmission fiber having a chromatic dispersion of +4 to +10 ps nm 'l km' and a dispersion slope of 0 to +0.04 ps nm 'l km' at the 1550 nm wavelength and installed in a relay section;

a module made of a dispersion compensating optical fiber having a chromatic dispersion of -40 ps ·nm ·1 · km ·1 or less and a dispersion slope of -0.10 ps ·nm ·2 · km ·1 or less at the 1550 nm wavelength;

a transmitter; and

10 a receiver.